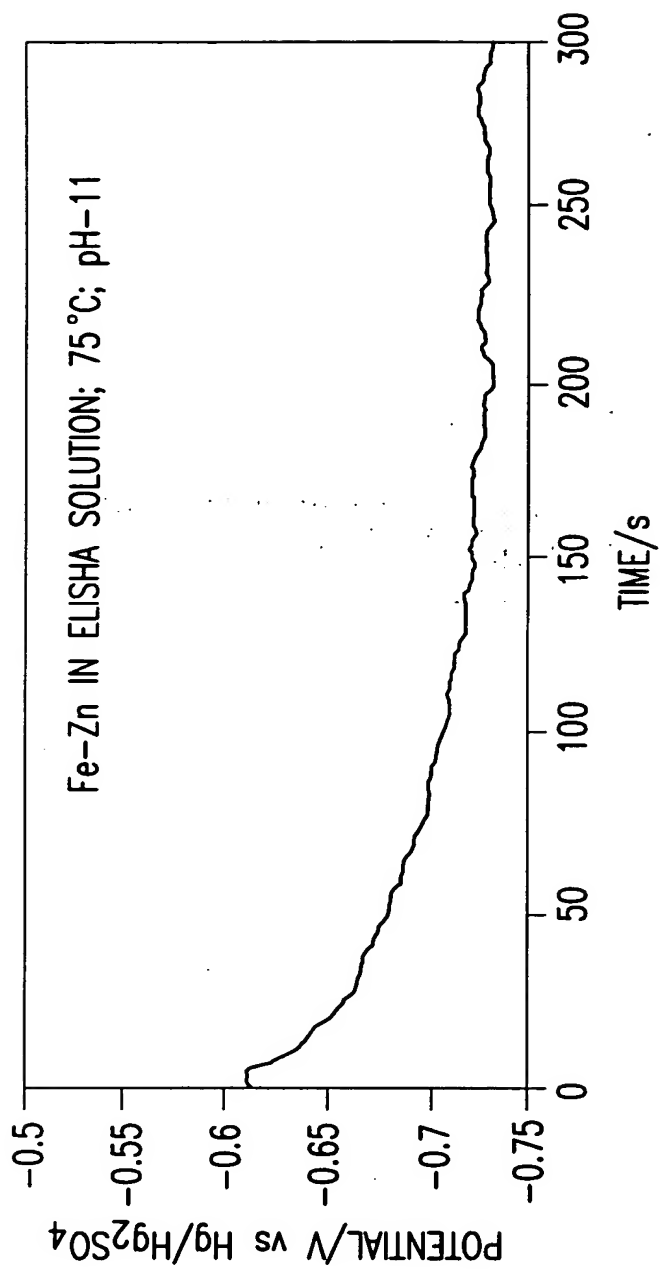


OPEN CIRCUIT POTENTIAL

FIG.1



OPEN CIRCUIT POTENTIAL

FIG.2

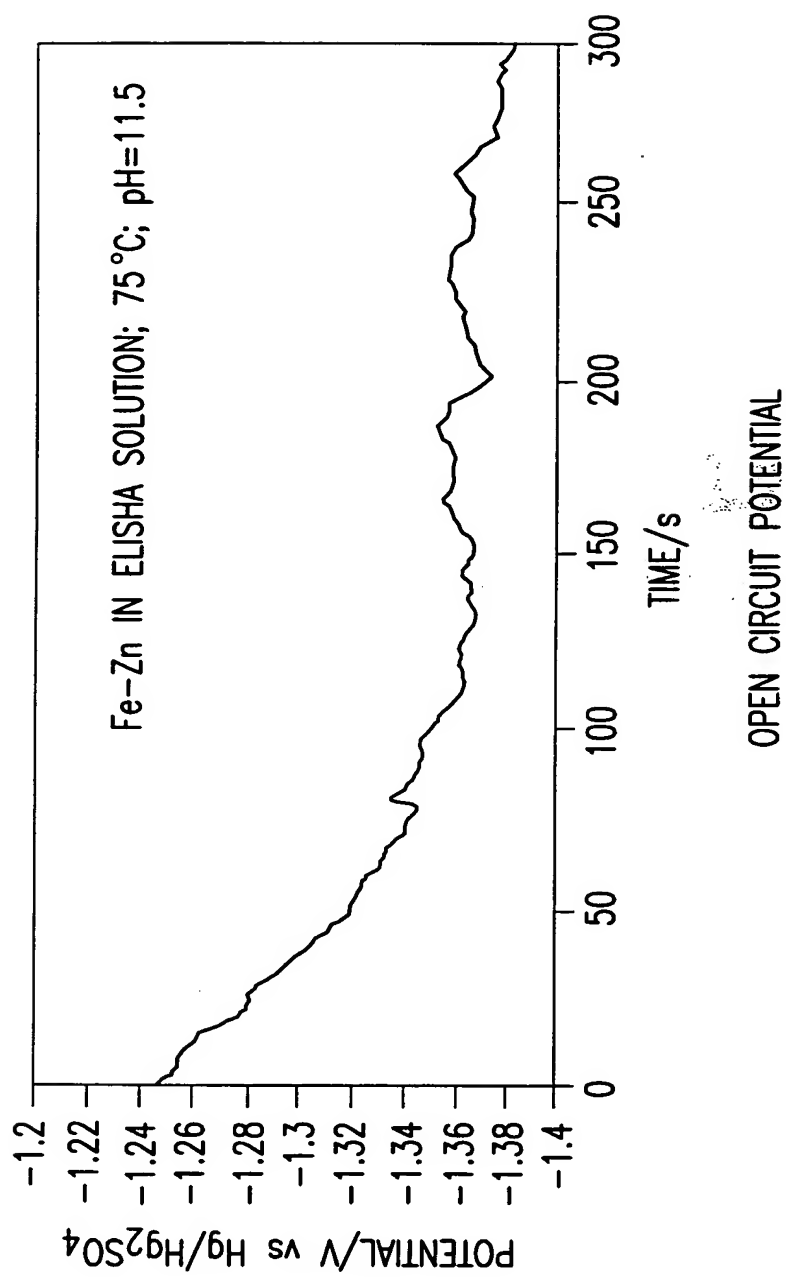


FIG.3

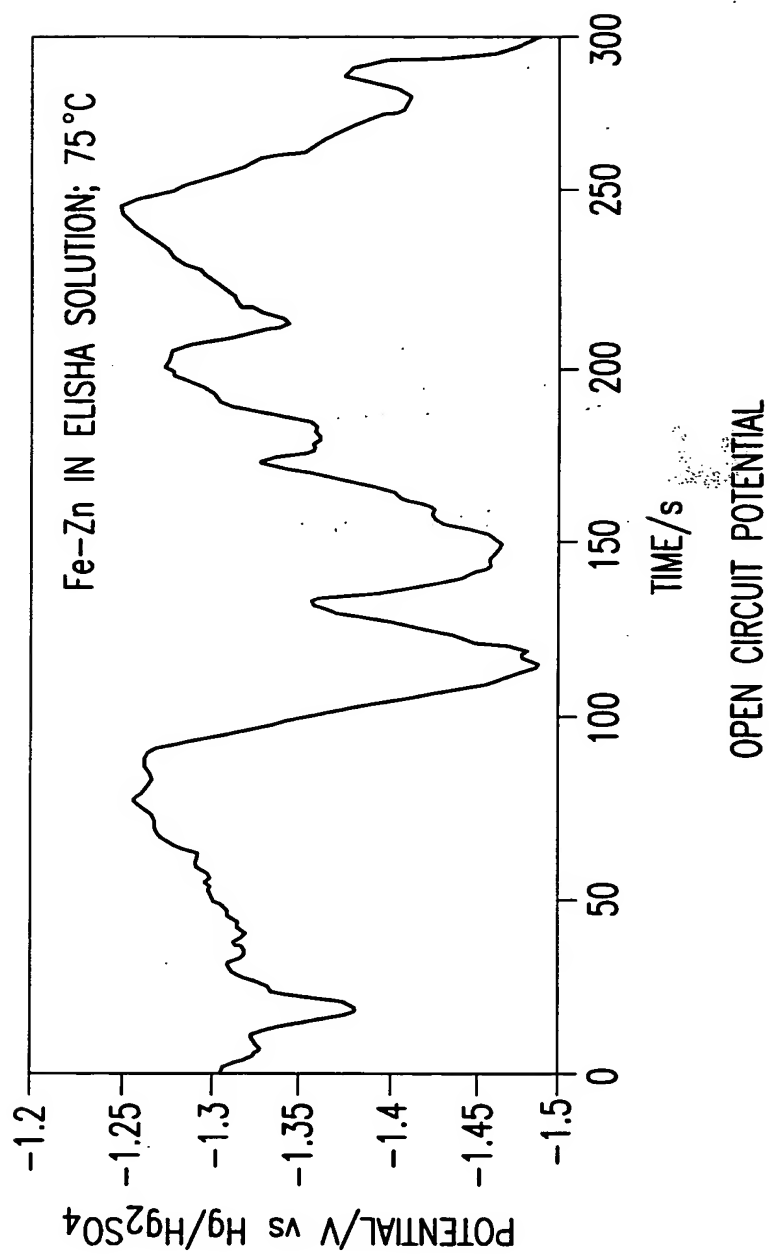
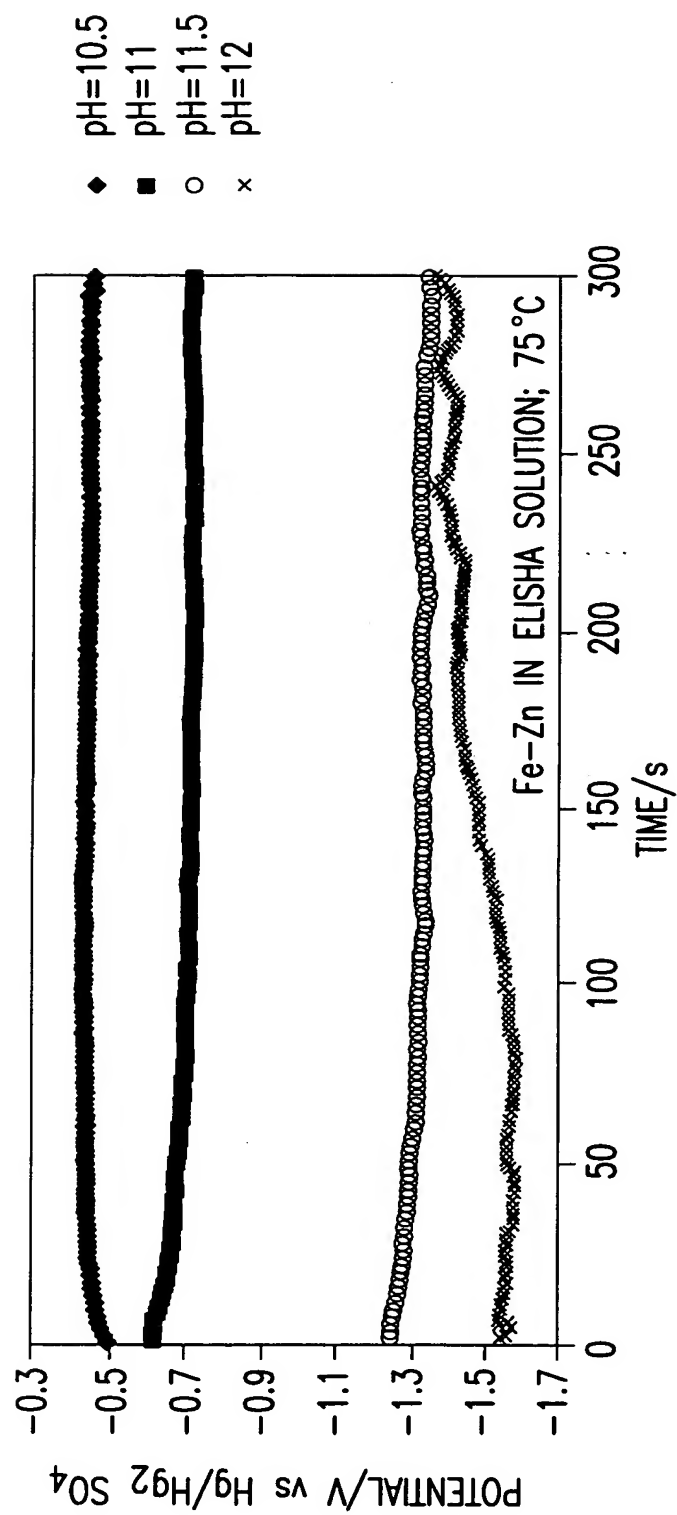
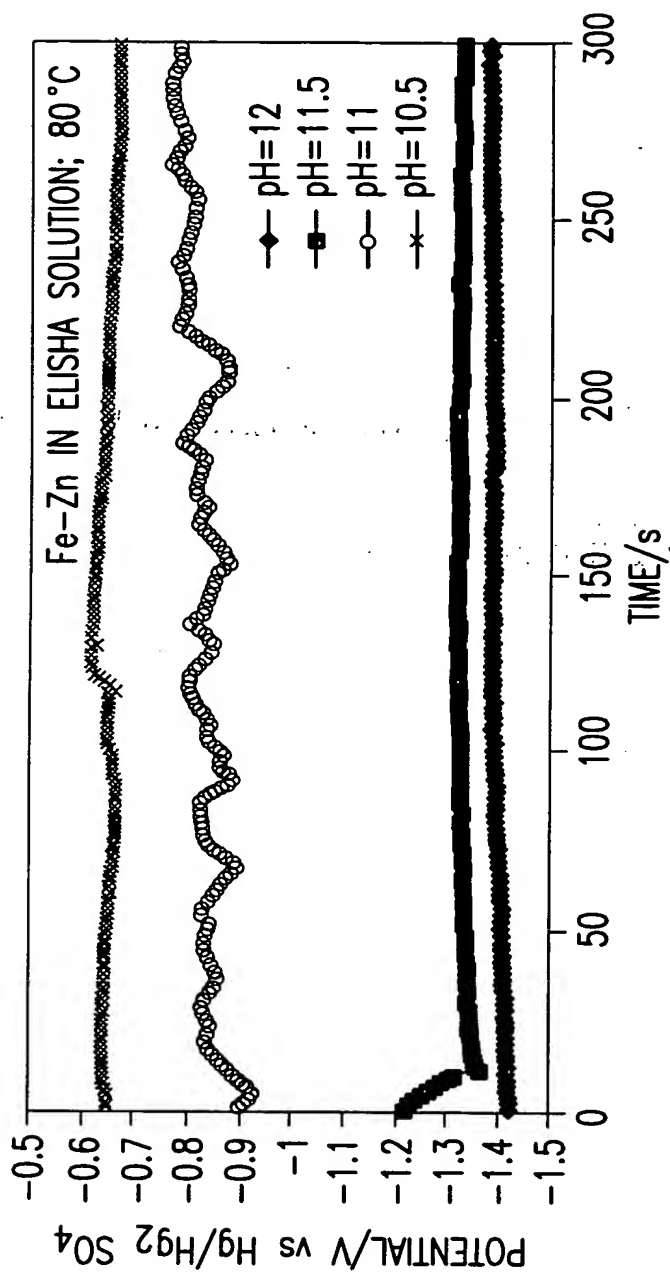


FIG.4



OPEN CIRCUIT POTENTIAL

FIG.5



OPEN CIRCUIT POTENTIAL

FIG.6

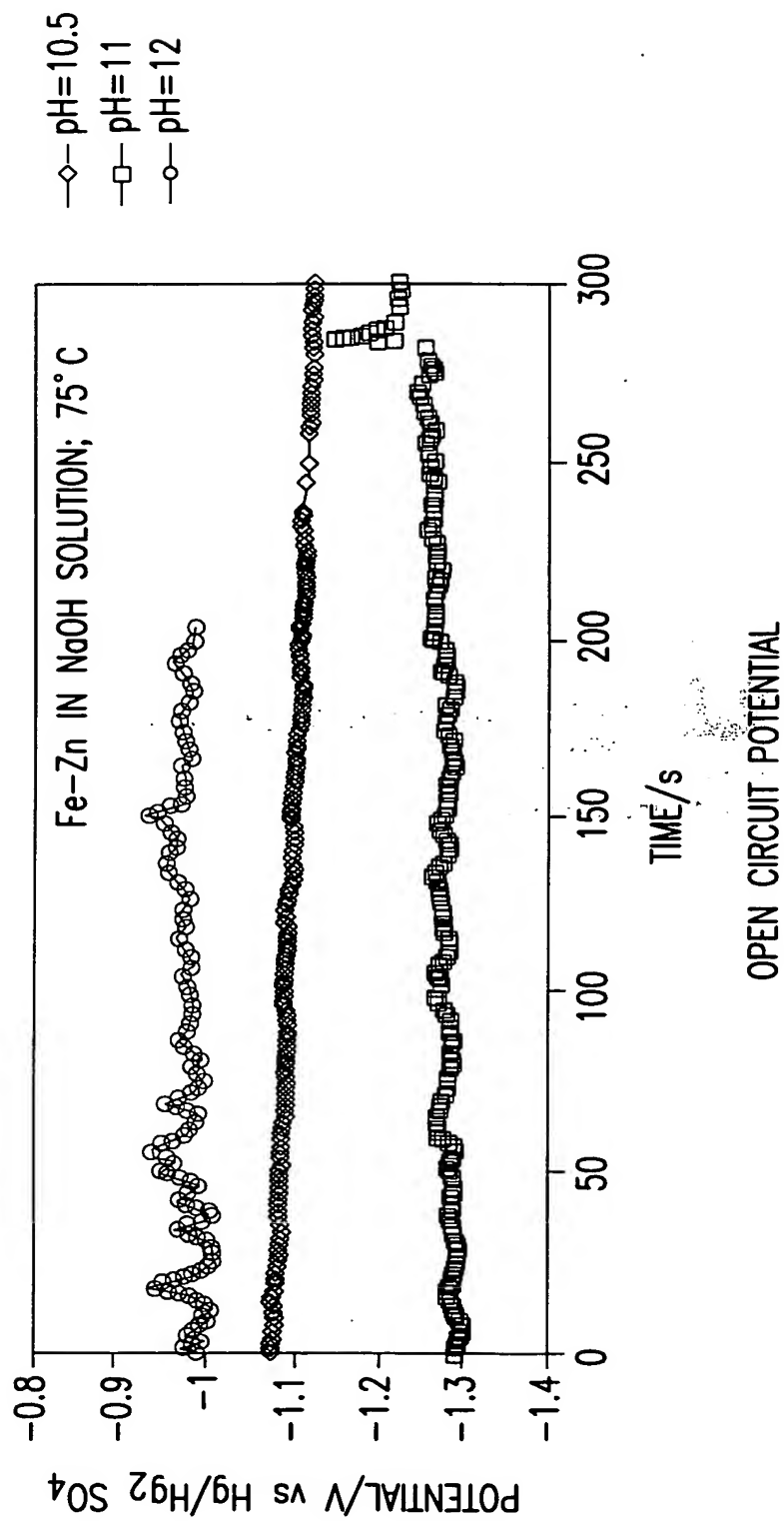


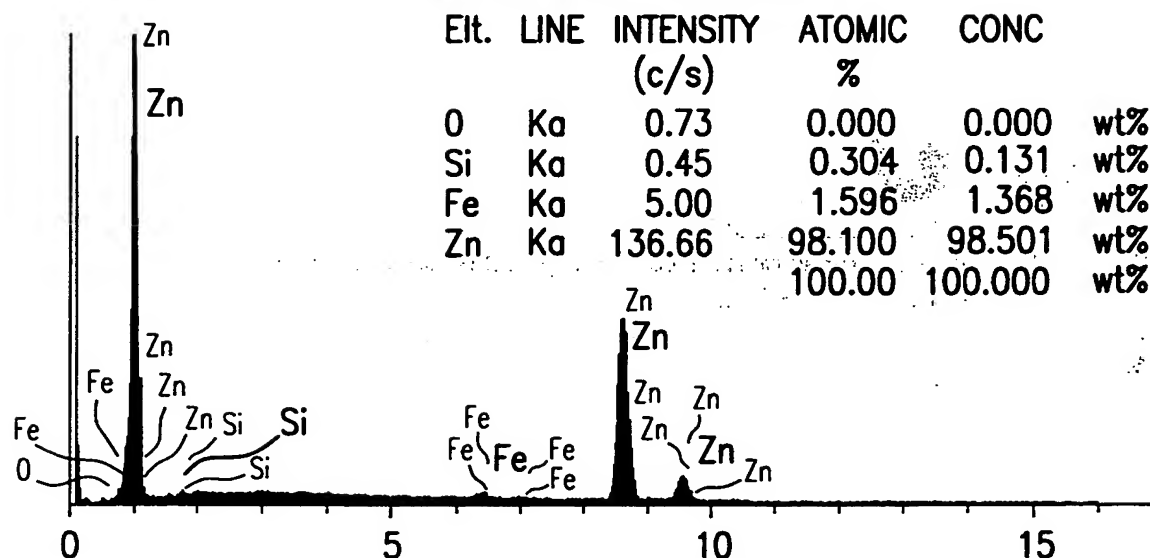
FIG. 7

# SEM & EDAX ANALYSIS OF SAMPLES RINSED IMMEDIATELY AND RINSED LATER

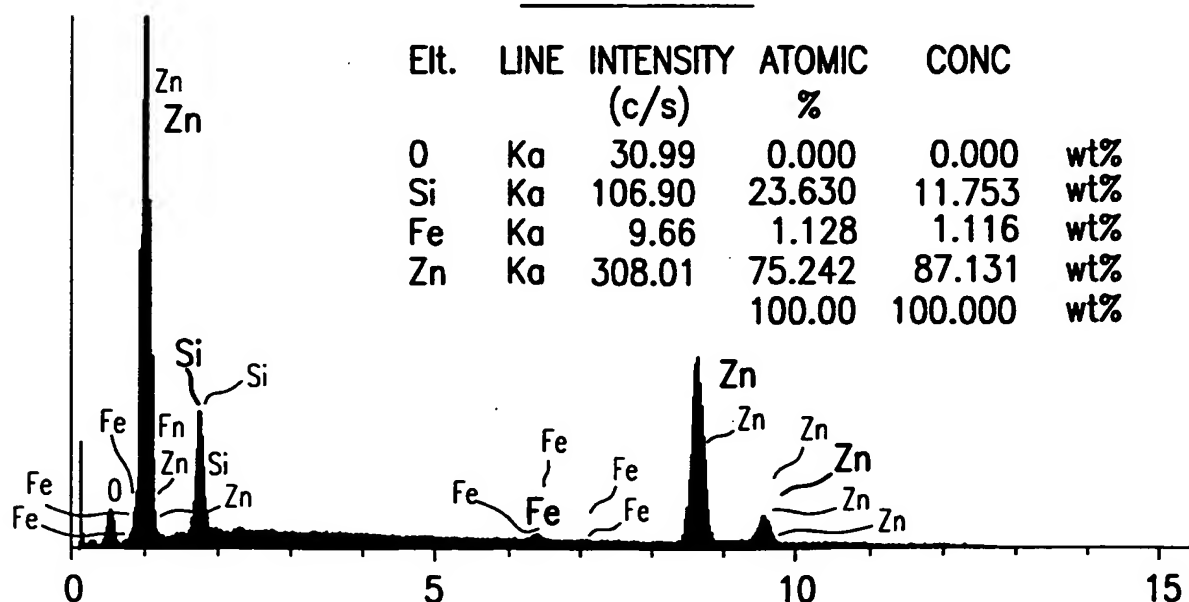
## FIG.8



MAGNIFICATION-1000 X



RINSED LATER





COMPARISON OF Si CONTENT FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE

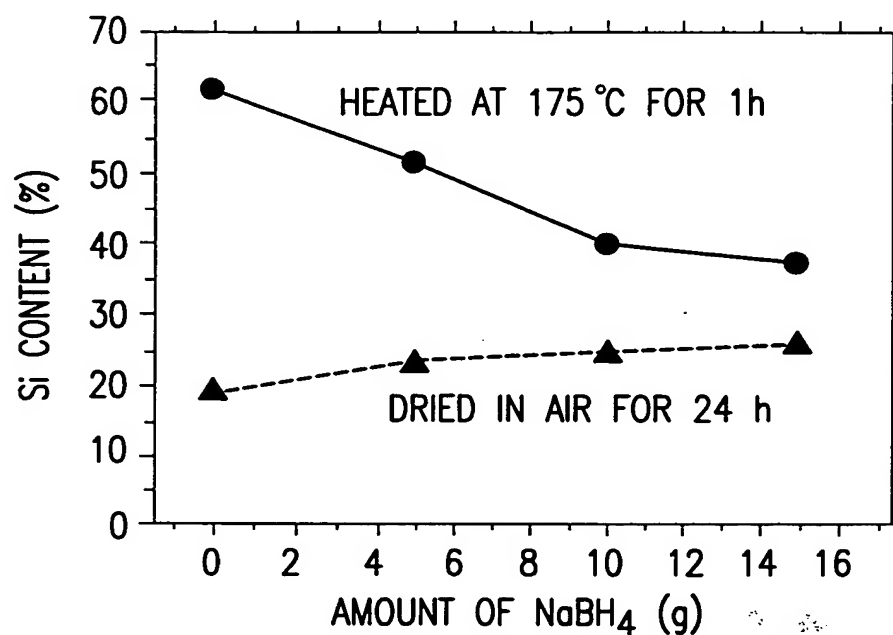


FIG.9

DROP IN CORROSION RESISTANCE FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE  
 SAMPLES WERE DRIED IN AIR FOR 24 HOURS AND LEFT IN WATER FOR 1 WEEK

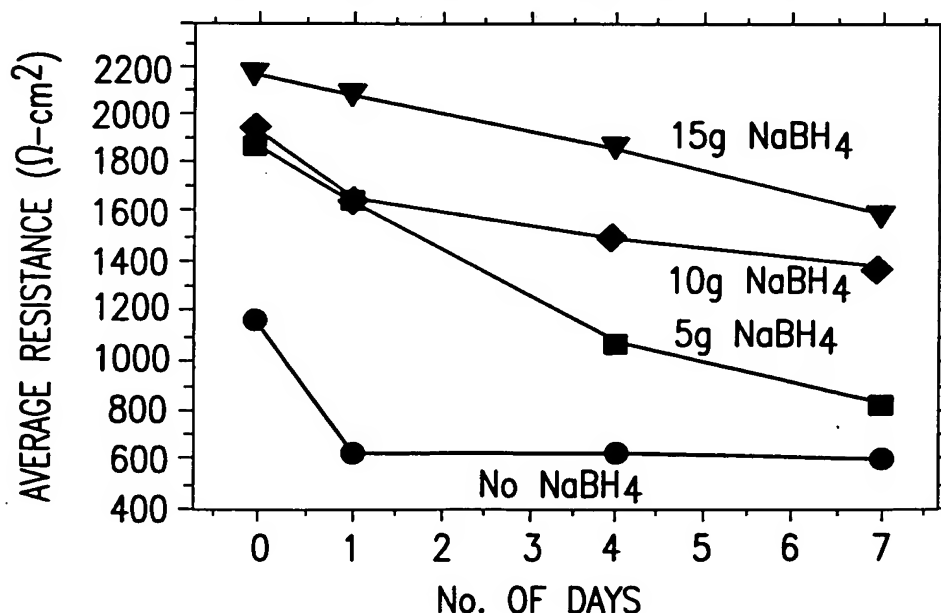


FIG.10

DROP IN CORROSION RESISTANCE FOR SAMPLES MINERALIZED  
IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT  
AMOUNTS OF SODIUM BOROHYDRIDE SAMPLES WERE DRIED AT 175 °C  
FOR 1 HOUR AND LEFT IN WATER FOR 1 WEEK

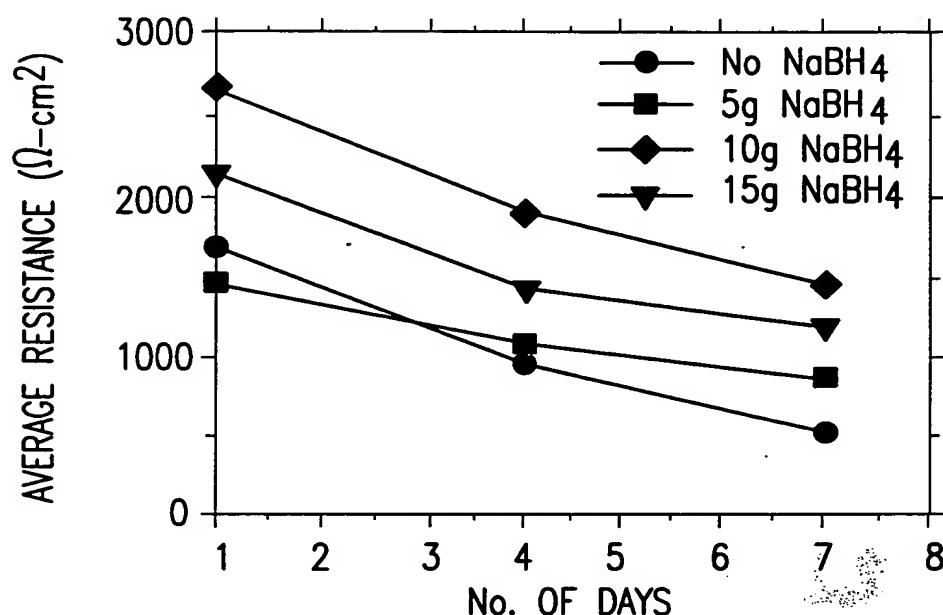


FIG.11

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND  
WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE  
SAMPLES WERE DRIED IN THE AIR FOR 24 HOURS

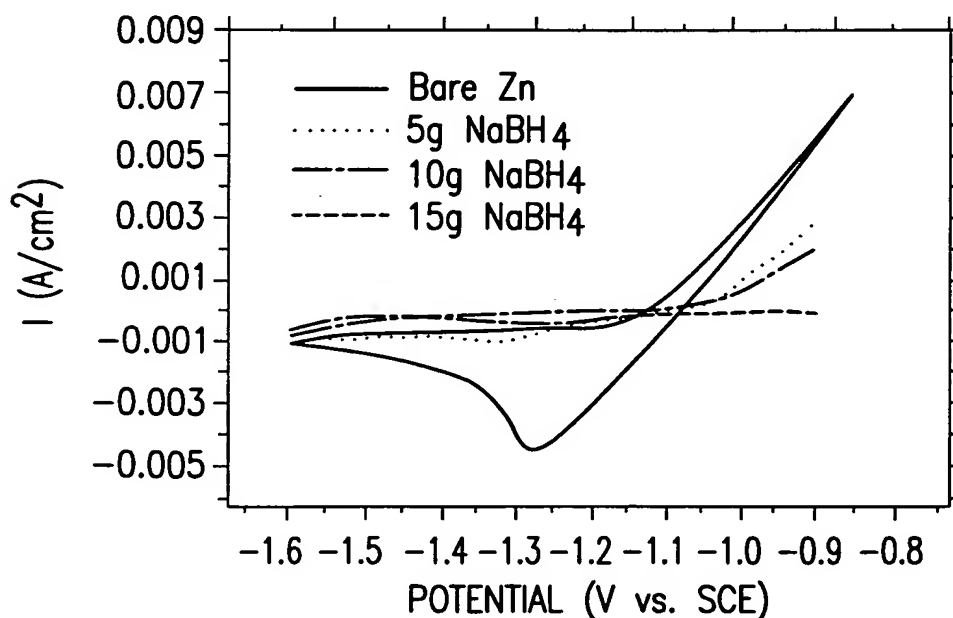


FIG.12

INHIBITING EFFICIENCY OBTAINED FROM CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE SAMPLES WERE DRIED IN AIR FOR 24 HOURS

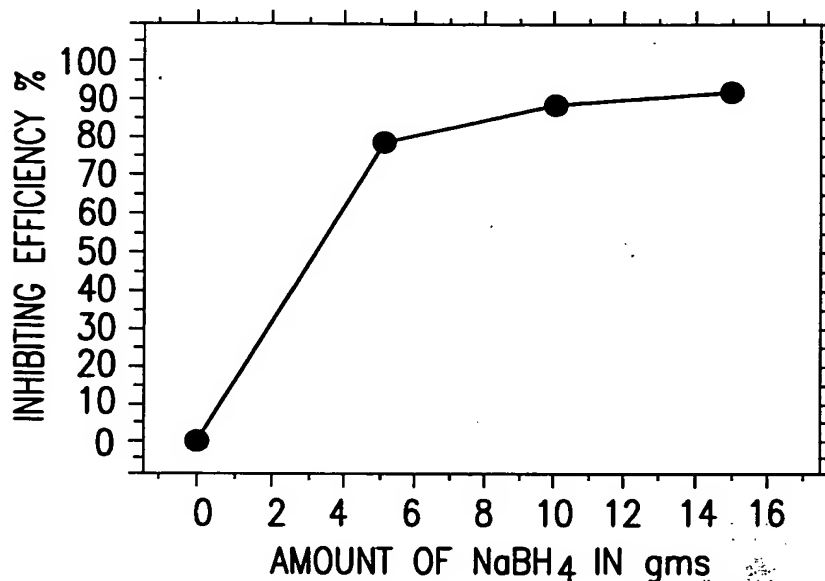


FIG.13

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE SAMPLES WERE HEATED AT 175 °C FOR 1 HOUR

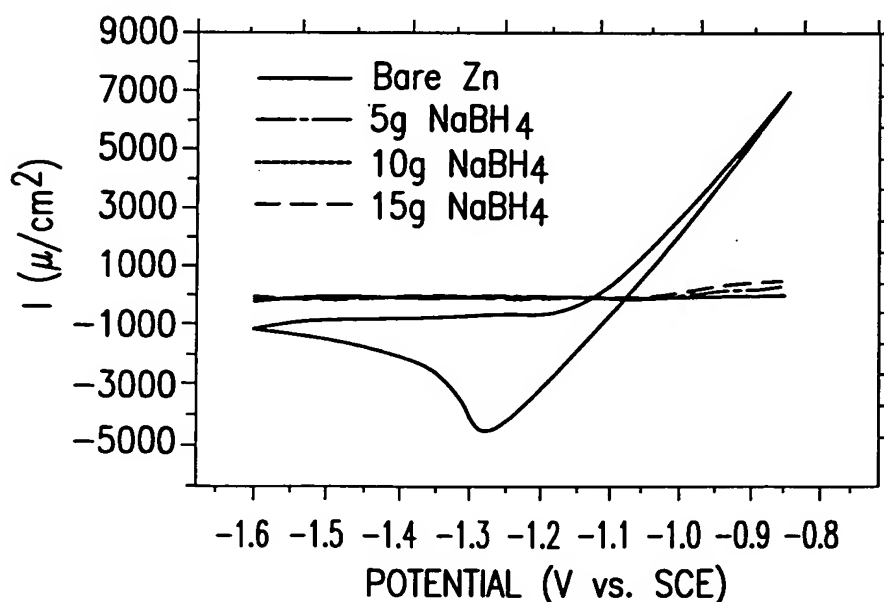


FIG.14

INHIBITING EFFICIENCY OBTAINED FROM CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE SAMPLES WERE HEATED AT 175°C FOR 1 HOUR

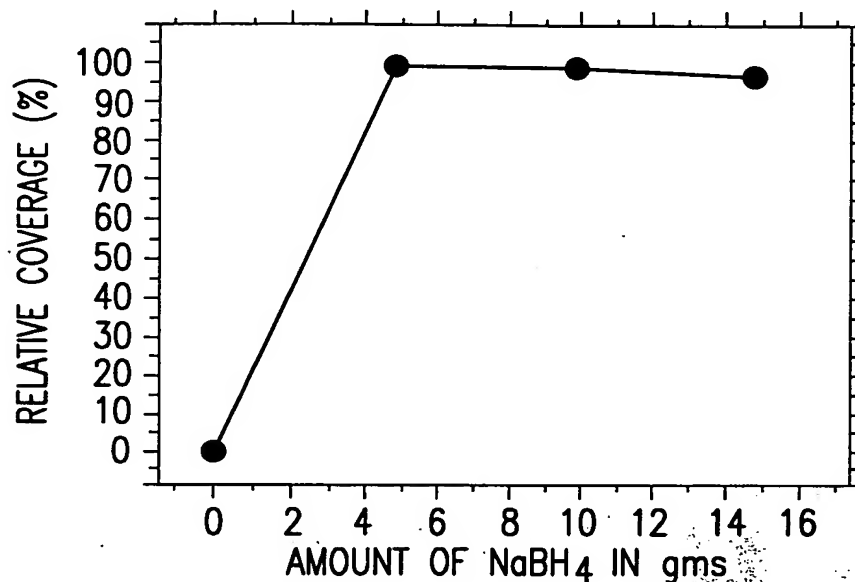


FIG.15

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE SAMPLES WERE DRIED IN AIR FOR 24 HOURS AND LEFT IN WATER FOR 1 WEEK

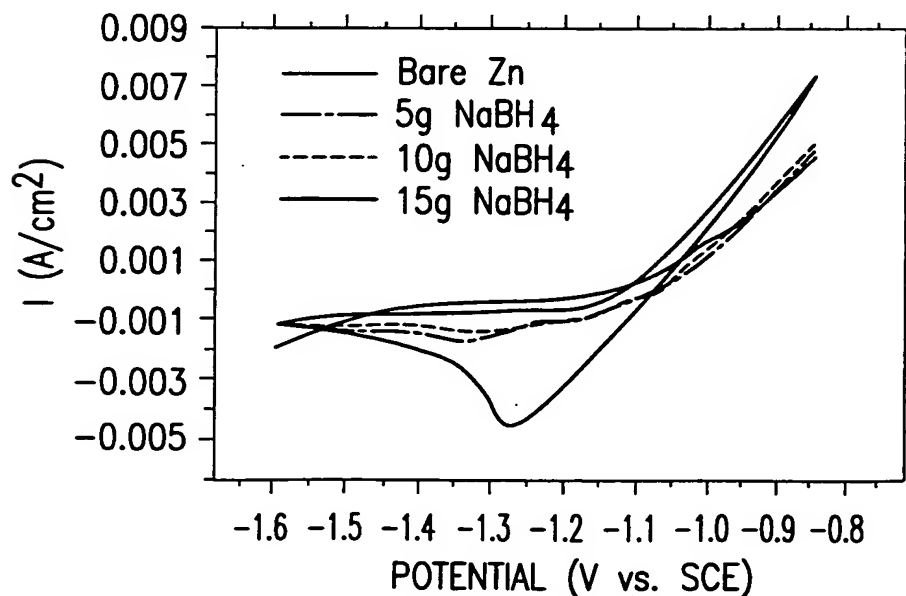


FIG.16

CHANGE IN THE INHIBITING EFFICIENCY FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE  
 SAMPLES WERE DRIED IN AIR FOR 24 HOURS AND LEFT  
 IN WATER FOR 1 WEEK

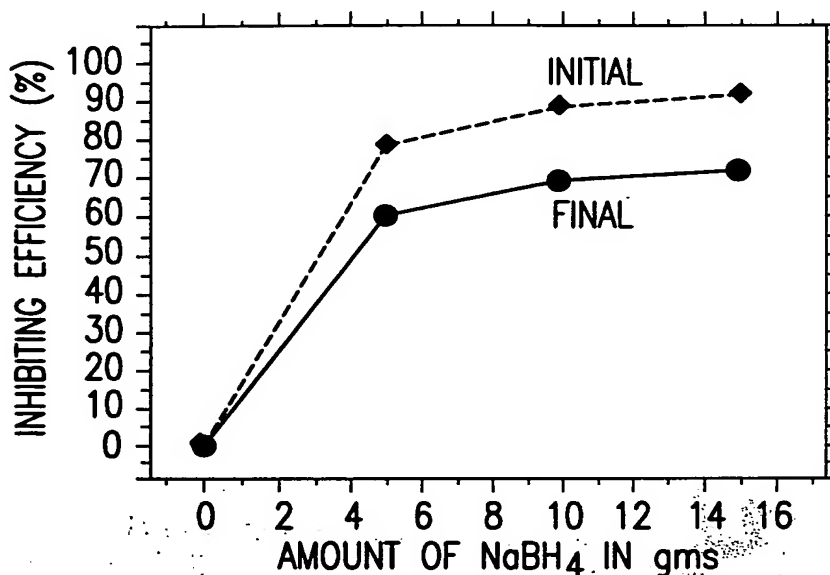


FIG.17

CVs FOR SAMPLES MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE  
 SAMPLES WERE DRIED AT 175°C FOR 1 HOUR AND LEFT IN WATER  
 FOR 1 WEEK

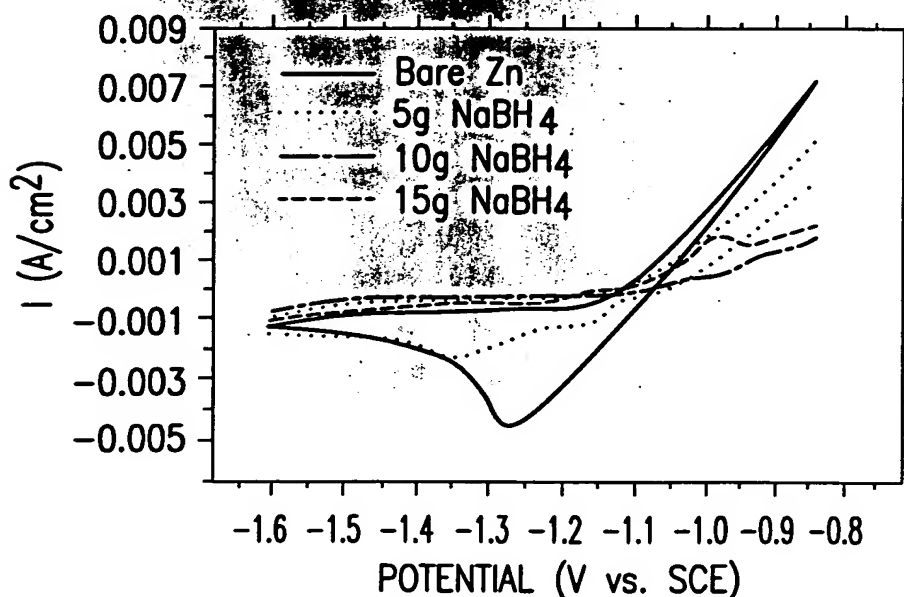


FIG.18

CHANGE IN THE INHIBITING EFFICIENCY FOR SAMPLES  
MINERALIZED IN 1:3 PQ SOLUTION WITH NO CURRENT AND WITH  
DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE  
SAMPLES WERE DRIED AT 175°C FOR 1 HOUR AND LEFT IN WATER FOR 1 WEEK

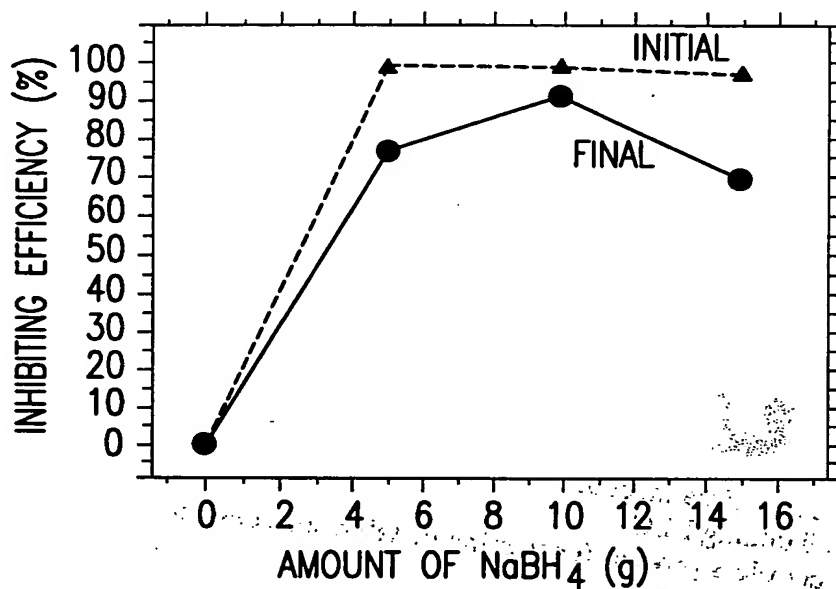
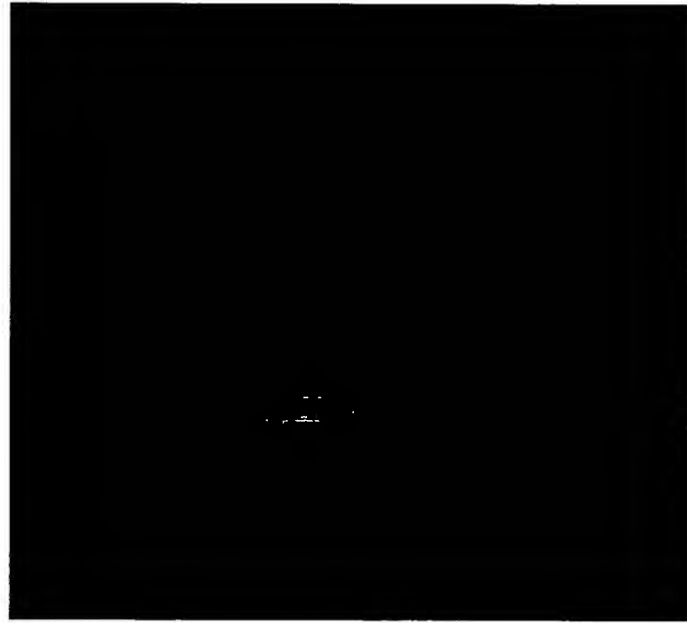


FIG.19

Change in Morphology for sample mineralized in 1:3 PQ solution with no current and with 10g/L of sodium Borohydride  
Samples were heated at 175° C for 1 hour.

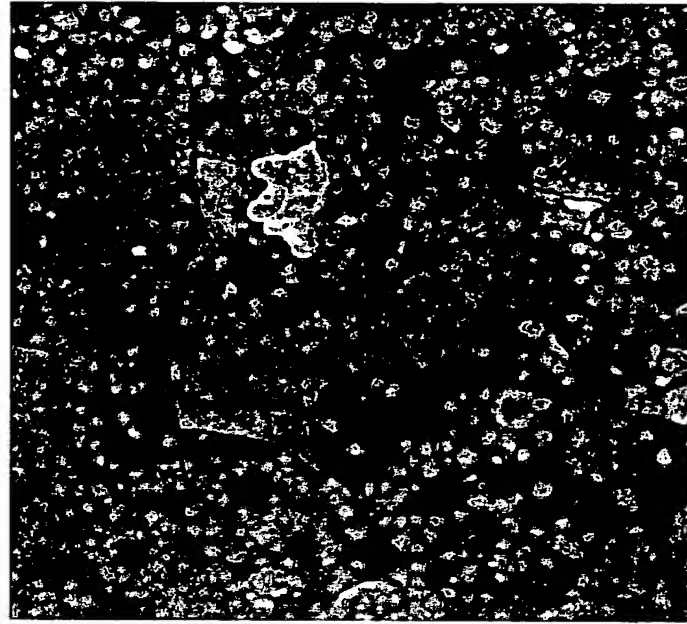
Before Corrosion



2μm

Magnification:2000X

After Corrosion



Magnification:500X

FIG.20

CHANGE IN Si CONCENTRATION FOR SAMPLES MINERALIZED IN  
1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE  
SAMPLES WERE DRIED IN AIR FOR 24 HOURS  
AND LEFT IN WATER FOR 1 WEEK

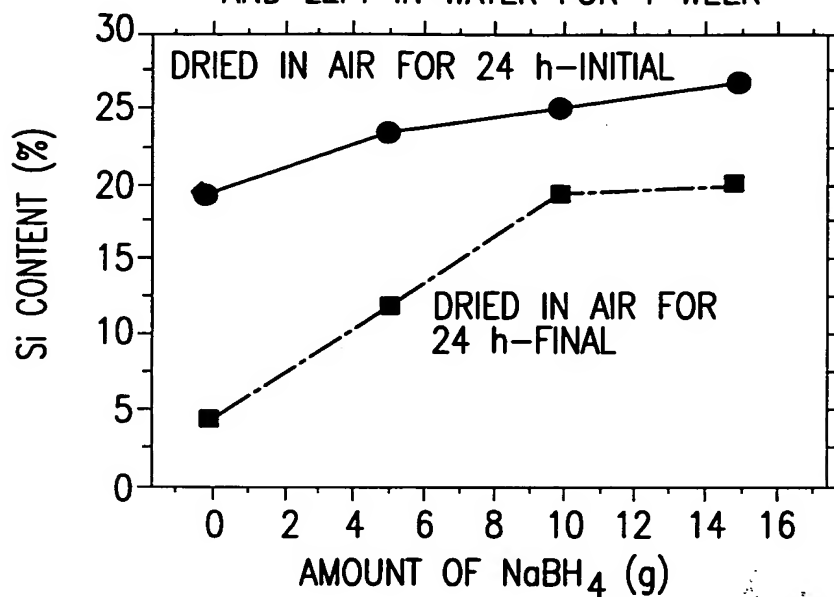


FIG.21

CHANGE IN Si CONCENTRATION FOR SAMPLES MINERALIZED IN  
1:3 PQ SOLUTION WITH NO CURRENT AND WITH DIFFERENT AMOUNTS OF SODIUM BOROHYDRIDE  
SAMPLES WERE DRIED IN AIR FOR 24 HOURS  
AND LEFT IN WATER FOR 1 WEEK

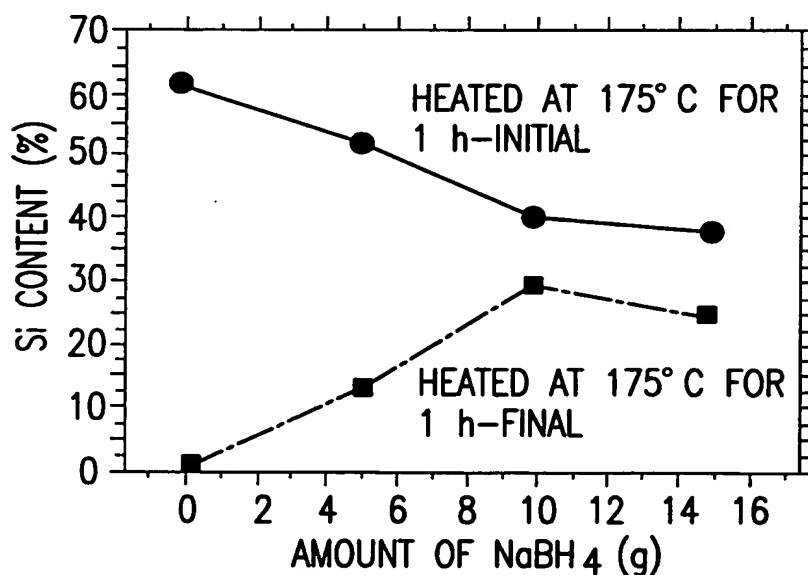


FIG.22